

ABSTRACT

A visible light cationically photopolymerizable composition is provided. This composition includes an expanding monomer and a dioxirane. More specifically, the expanding monomer used in this composition is one or more dioxiranyl tetraoxaspiro[5.5]undecanes. The composition of the present invention may be used as a matrix resin for dental restorative materials. Another embodiment of the present invention is various novel dioxiranyl tetraoxaspiro[5.5]undecanes.